ALTRAFLORA NATURAL EXTRACTS

SAFETY DATA SHEET

Revision Date: 18.10.2026 | Version: 1.3

1. Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

Product Name:	Turkish Oak (Medium Roast) Extract, water-dispersible
Item Code:	AF-QRCR1EML
CAS No.:	Not applicable (mixture)
EC No.:	Not applicable (mixture)
INCI Name:	Quercus Cerris Wood Extract, Lecithin, Aqua

1.2 Relevant Identified Uses

Identified Uses: Fragrance and flavouring ingredient for aqueous food, beverage, confectionery, cosmetic and household applications. For industrial and professional formulation use only.

Uses Advised Against: Not for undiluted application to skin or mucous membranes. Not for injection, for nebuliser inhalation, or for administration to infants and young children. Keep out of reach of children.

1.3 Supplier Details

Company:	ALTRAFLORA DOĞAL BİTKİ ÜRÜNLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
Address:	Zafer Mah. 1033/2 Sk. No: 16/A, Merkezefendi / Denizli, 20020, Türkiye
Phone:	+90 538 051 7405
Email:	info@altraflora.com

1.4 Emergency Contact: +90 538 051 7405 (24h)

2. Hazards Identification

2.1 Classification

Classification according to Regulation (EC) No 1272/2008 (CLP):

• Eye Irrit. 2 — H319: Causes serious eye irritation.

2.2 Label Elements

Signal Word: Warning. Hazard pictogram: GHS07 (Exclamation mark). Hazard statements: H319 Causes serious eye irritation. Precautionary statements: P264 Wash hands thoroughly after handling. P280 Wear eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container in accordance with local/national regulations.

2.3 Other Hazards

PBT/vPvB Assessment: Does not meet criteria for PBT or vPvB under REACH.

3. Composition/Information on Ingredients

3.1 Substance/Mixture

Botanical Name:	Quercus cerris L.
Plant Part:	Heartwood / staves (roasted)
Extraction Method:	Supercritical CO_2 extraction of roasted heartwood, emulsified in a lecithin/water base
Origin:	Türkiye

Key Active Compounds:

Compound	Content
Sinapaldehyde (CAS 4206-58-0; Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335)	Present
trans-Coniferaldehyde (CAS 458-36-6, EC 207-278-4; Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335)	Present
Syringaldehyde (CAS 134-96-3, EC 205-167-5; Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335)	Present
Vanillin (CAS 121-33-5, EC 204-465-2; Eye Irrit. 2 H319)	Present
5-Hydroxymethylfurfural (CAS 67-47-0, EC 200-654-9; Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335, Aquatic Chronic 3 H412)	Present
Furfural (CAS 98-01-1, EC 202-627-7; Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 3 H331, Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335, Carc. 2 H351)	Present
Ellagic acid (CAS 476-66-4, EC 207-508-3; Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335)	Present
Gallic acid (CAS 149-91-7, EC 205-749-9; Skin Irrit. 2 H315, Eye Irrit. 2 H319, STOT SE 3 H335)	Present
Lecithin (E322(i)) and water — emulsion base	Present

4. First Aid Measures

General Advice	If medical advice is needed, have the product container or label at hand. Move the person out of the exposure area and take off contaminated clothing.
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Seek medical attention if irritation develops.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.
Ingestion	Rinse mouth with water. Do not give anything by mouth to an unconscious person. If the person feels unwell, get medical advice.
Most Important Symptoms	Eye redness, watering and irritation.
Notes to Physician	Treat symptomatically.

5. Firefighting Measures

Suitable Extinguishing Media	Foam, carbon dioxide (CO_2), dry chemical powder, water spray.
Unsuitable Extinguishing Media	Water jet (may spread fire).
Special Hazards	Flash point: Not applicable — aqueous emulsion, does not sustain combustion. Combustion produces carbon oxides.

6. Accidental Release Measures

Personal Precautions	Avoid contact with skin and eyes. Use protective equipment. Caution: spilled product may create slippery surfaces.
Environmental Precautions	Prevent entry into drains, waterways, and soil. Expected to be biodegradable.
Containment and Cleanup	Absorb with inert absorbent material, sand, or earth. Dispose according to local regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Keep away from heat and ignition sources. Avoid spills.

7.2 Conditions for Safe Storage

Storage Temperature	Store at 2–8 °C. Protect from heat and sunlight.
Packaging Materials	Dark glass, stainless steel, food-grade HDPE.
Shelf Life	12 months when stored properly

8. Exposure Controls/Personal Protection

8.1 Control Parameters: No occupational exposure limits established.

Engineering Controls	Ensure adequate ventilation.
Eye/Face Protection	Wear safety glasses with side shields (EN 166).
Hand Protection	Chemical-resistant gloves for prolonged contact.

9. Physical and Chemical Properties

Appearance	Dark amber oil-in-water emulsion
Odor	Toasted, vanillic, woody
pH	Not determined
Flash Point	Not applicable — aqueous emulsion, does not sustain combustion
Density	0.98–1.05 g/cm³ at 20 °C (typical)
Solubility (Water)	Dispersible in water (oil-in-water emulsion); miscible with ethanol
Viscosity	Pourable emulsion; shake before use
Solvent Residues	None (CO_2 extraction)

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions. May oxidize upon exposure to air and light.
Conditions to Avoid	High temperatures, prolonged exposure to air and light, ignition sources.
Incompatible Materials	Strong oxidizers, concentrated acids, strong bases.

11. Toxicological Information

Acute Oral Toxicity	Not classified for acute oral toxicity.
Skin Irritation	Not classified for skin irritation under normal use.
Eye Irritation	Causes serious eye irritation (H319) upon direct contact.
Sensitization	Not classified as a skin or respiratory sensitiser.
Carcinogenicity	Not classified for carcinogenicity. Contains furfural (Carc. 2, H351) below the 1 % generic concentration limit; see Section 15. Furfural: IARC Group 3.

12. Ecological Information

Toxicity	Not classified as hazardous to the aquatic environment.
Biodegradability	Expected to be readily biodegradable.
Bioaccumulation	No significant bioaccumulation expected.

13. Disposal Considerations

Product Disposal	Dispose according to local regulations. Do not pour into drains.
Waste Code (EU)	EWC 16 03 05* — organic wastes containing hazardous substances

14. Transport Information

Not classified as dangerous goods for transport (ADR/RID/IMDG/IATA).

UN Number	Not regulated
Transport Hazard Class	Not regulated
Environmental Hazards	Environmentally hazardous: No (ADR/RID/IATA); Marine pollutant: No (IMDG)

15. Regulatory Information

EU Legislation: REACH – Compliant | CLP – Classified; see Section 2 | Cosmetics Regulation (EC) No 1223/2009 – Compliant where applicable

US Legislation: FDA – Compliant for intended use | TSCA – Listed where applicable

Contains fragrance allergens listed in Annex III to Regulation (EC) No 1223/2009. Declare on cosmetic labels above 0.001 % in leave-on and 0.01 % in rinse-off products. Contains furfural (CAS 98-01-1; Carc. 2, H351). Its content in this product is below the 1 % generic concentration limit for Carc. 2, so the mixture is not classified for carcinogenicity.

16. Other Information

Product Specifications

Botanical Source	Quercus cerris L.
Plant Part Used	Heartwood / staves (roasted)
Extraction Method	Supercritical CO_2 extraction of roasted heartwood, emulsified in a lecithin/water base
Country of Origin	Türkiye
Shelf Life	12 months
Storage	Store at 2–8 °C, protect from light

Revision Information: Revision Date: 18.10.2026 | Version: 1.3 | Changes from the previous version: Section 3.

Literature References: AltraFlora Application Notes, Roasted Oak $scCO_2$ Extracts (10.05.2026 and 25.07.2026); ECHA C&L Inventory.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. It is intended as guidance for safe handling, use, storage, transport, and disposal and should not be considered a warranty or quality specification.

End of Safety Data Sheet